

#6/58
1/19/02 PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/831,907

DATE: 11/14/2001

TIME: 14:11:57

Input Set : A:\208888US0PCT.txt

Output Set: N:\CRF3\11142001\I831907.raw

3 <110> APPLICANT: BEAUVILLAIN, JEAN-CLAUDE
 4 COULOUARN, YOLAINÉ
 5 JEGOU, SYLVIE
 6 LIHRMANN, ISABELLE
 7 VAUDRY, HUBERT
 9 <120> TITLE OF INVENTION: MAMMALIAN UROTENSINS II AND APPLICATIONS THEREOF
 11 <130> FILE REFERENCE: 208888US0PCT
 13 <140> CURRENT APPLICATION NUMBER: 09/831,907
 C--> 14 <141> CURRENT FILING DATE: 2001-05-25 ^{OK}
 16 <150> PRIOR APPLICATION NUMBER: FR 98/14914
 17 <151> PRIOR FILING DATE: 1998-11-26
 19 <160> NUMBER OF SEQ ID NOS: 44
 21 <170> SOFTWARE: PatentIn version 3.1
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 124
 25 <212> TYPE: PRT
 26 <213> ORGANISM: Homo sapiens
 28 <400> SEQUENCE: 1
 30 Met Tyr Lys Leu Ala Ser Cys Cys Leu Leu Phe Ile Gly Phe Leu Asn
 31 1 5 10 15
 34 Pro Leu Leu Ser Leu Pro Leu Leu Asp Ser Arg Glu Ile Ser Phe Gln
 35 20 25 30
 38 Leu Ser Ala Pro His Glu Asp Ala Arg Leu Thr Pro Glu Glu Leu Glu
 39 35 40 45
 42 Arg Ala Ser Leu Leu Gln Ile Leu Pro Glu Met Leu Gly Ala Glu Arg
 43 50 55 60
 46 Gly Asp Ile Leu Arg Lys Ala Asp Ser Ser Thr Asn Ile Phe Asn Pro
 47 65 70 75 80
 50 Arg Gly Asn Leu Arg Lys Phe Gln Asp Phe Ser Gly Gln Asp Pro Asn
 51 85 90 95
 54 Ile Leu Leu Ser His Leu Leu Ala Arg Ile Trp Lys Pro Tyr Lys Lys
 55 100 105 110
 58 Arg Glu Thr Pro Asp Cys Phe Trp Lys Tyr Cys Val
 59 115 120
 62 <210> SEQ ID NO: 2
 63 <211> LENGTH: 104
 64 <212> TYPE: PRT
 65 <213> ORGANISM: Homo sapiens
 67 <400> SEQUENCE: 2
 69 Leu Pro Leu Leu Asp Ser Arg Glu Ile Ser Phe Gln Leu Ser Ala Pro
 70 1 5 10 15
 73 His Glu Asp Ala Arg Leu Thr Pro Glu Glu Leu Glu Arg Ala Ser Leu
 74 20 25 30
 77 Leu Gln Ile Leu Pro Glu Met Leu Gly Ala Glu Arg Gly Asp Ile Leu
 78 35 40 45
 81 Arg Lys Ala Asp Ser Ser Thr Asn Ile Phe Asn Pro Arg Gly Asn Leu
 82 50 55 60

ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/831,907

DATE: 11/14/2001

TIME: 14:11:57

Input Set : A:\208888US0PCT.txt

Output Set: N:\CRF3\11142001\I831907.raw

```

85 Arg Lys Phe Gln Asp Phe Ser Gly Gln Asp Pro Asn Ile Leu Leu Ser
86 65              70              75              80
89 His Leu Leu Ala Arg Ile Trp Lys Pro Tyr Lys Lys Arg Glu Thr Pro
90              85              90              95
93 Asp Cys Phe Trp Lys Tyr Cys Val
94              100
97 <210> SEQ ID NO: 3
98 <211> LENGTH: 11
99 <212> TYPE: PRT
100 <213> ORGANISM: Homo sapiens
102 <400> SEQUENCE: 3
104 Glu Thr Pro Asp Cys Phe Trp Lys Tyr Cys Val
105 1              5              10
108 <210> SEQ ID NO: 4
109 <211> LENGTH: 551
110 <212> TYPE: DNA
111 <213> ORGANISM: Homo sapiens
113 <400> SEQUENCE: 4
114 ccaagaagga agccgtctat cttgtggcga tcatgtataa gctggcctcc tgctgtttgc      60
116 ttttcatagg attcttaaat cctctcttat ctcttcctct ccttgactcc agggaaatat      120
118 cctttcaact ctacagcact catgaagacg cgcgcttaac tccggaggac gtagaaagag      180
120 cttcccttct acagatactg ccagagatgc tgggtgcaga aagaggggat attctcagga      240
122 aagcagactc aagtaccaac atttttaacc caataggaaa tttgagaaag tttcaggatt      300
124 tctctggaca agatcctaac attttactga gtcattcttt ggccagaatc tggaaaccat      360
126 acaagaaacg tgagactcct gattgcttct ggaaataact tgtctgaagt gaaataagca      420
128 tctgttagtc agctcagaaa cacccatctt agaatatgaa aaataacaca atgcttgatt      480
130 tgaaaacagt gtggagaaaa actaggcaaa ctacaccctg ttcattgtta cctggaaaat      540
132 aaatcctcta t                                         551
135 <210> SEQ ID NO: 5
136 <211> LENGTH: 315
137 <212> TYPE: DNA
138 <213> ORGANISM: Homo sapiens
140 <400> SEQUENCE: 5
141 ctctctctcc ttgactccag ggaaatatcc tttcaactct cagcacctca tgaagacgcg      60
143 cgcttaactc cggaggagct agaaagagct tcccttctac agatactgcc agagatgctg      120
145 ggtgcagaaa gaggggatat tctcaggaaa gcagactcaa gtaccaacat ttttaaccca      180
147 agaggaaatt tgagaaagtt tcaggatttc tctggacaag atcctaacat tttactgagt      240
149 catcttttgg ccagaatctg gaaaccatac aagaaacgtg agactcctga ttgcttctgg      300
151 aaatactgtg tctga                                         315
154 <210> SEQ ID NO: 6
155 <211> LENGTH: 36
156 <212> TYPE: DNA
157 <213> ORGANISM: Homo sapiens
159 <400> SEQUENCE: 6
160 gagactcctg attgcttctg gaaataactgt gtctga      36
163 <210> SEQ ID NO: 7
164 <211> LENGTH: 26
165 <212> TYPE: DNA
166 <213> ORGANISM: Homo sapiens

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/831,907

DATE: 11/14/2001

TIME: 14:11:57

Input Set : A:\208888US0PCT.txt

Output Set: N:\CRF3\11142001\I831907.raw

168 <400> SEQUENCE: 7	
169 aacccaagag gaaatttgag aaagtt	26
172 <210> SEQ ID NO: 8	
173 <211> LENGTH: 25	
174 <212> TYPE: DNA	
175 <213> ORGANISM: Homo sapiens	
177 <400> SEQUENCE: 8	
178 ccaggtaaca atgaacaggg tgtag	25
181 <210> SEQ ID NO: 9	
182 <211> LENGTH: 7	
183 <212> TYPE: PRT	
184 <213> ORGANISM: Homo sapiens	
186 <400> SEQUENCE: 9	
188 Cys Phe Trp Lys Tyr Cys Val	
189 1 5	
192 <210> SEQ ID NO: 10	
193 <211> LENGTH: 19	
194 <212> TYPE: DNA	
195 <213> ORGANISM: Homo sapiens	
197 <400> SEQUENCE: 10	
198 ctgccagaga tgctgggtg	19
201 <210> SEQ ID NO: 11	
202 <211> LENGTH: 24	
203 <212> TYPE: DNA	
204 <213> ORGANISM: Homo sapiens	
206 <400> SEQUENCE: 11	
207 gacacagtat ttccagaagc aatc	24
210 <210> SEQ ID NO: 12	
211 <211> LENGTH: 20	
212 <212> TYPE: DNA	
213 <213> ORGANISM: Homo sapiens	
215 <400> SEQUENCE: 12	
216 cctcctgctg tttgcttttc	20
219 <210> SEQ ID NO: 13	
220 <211> LENGTH: 20	
221 <212> TYPE: DNA	
222 <213> ORGANISM: Homo sapiens	
224 <400> SEQUENCE: 13	
225 cccagcatct ctggcagtat .	20
228 <210> SEQ ID NO: 14	
229 <211> LENGTH: 20	
230 <212> TYPE: DNA	
231 <213> ORGANISM: Homo sapiens	
233 <400> SEQUENCE: 14	
234 gaagccgtct atcttgtggc	20
237 <210> SEQ ID NO: 15	
238 <211> LENGTH: 20	
239 <212> TYPE: DNA	
240 <213> ORGANISM: Homo sapiens	

RAW SEQUENCE LISTING

DATE: 11/14/2001

PATENT APPLICATION: US/09/831,907

TIME: 14:11:57

Input Set : A:\208888US0PCT.txt

Output Set: N:\CRF3\11142001\I831907.raw

```

242 <400> SEQUENCE: 15
243 cgtctatctt gtggcgatca 20
246 <210> SEQ ID NO: 16
247 <211> LENGTH: 20
248 <212> TYPE: DNA
249 <213> ORGANISM: Homo sapiens
251 <400> SEQUENCE: 16
252 cgtcttcatg aggtgctgag 20
255 <210> SEQ ID NO: 17
256 <211> LENGTH: 20
257 <212> TYPE: DNA
258 <213> ORGANISM: Homo sapiens
260 <400> SEQUENCE: 17
261 ggaagccgtc tatcttgtgg 20
264 <210> SEQ ID NO: 18
265 <211> LENGTH: 529
266 <212> TYPE: DNA
267 <213> ORGANISM: Rattus sp.
269 <400> SEQUENCE: 18
270 cggagcagac acccagccag acttcttccc gtcgatcatgg acagggtgcc cttctgctgc 60
272 ctgctcttcg taggactcct gaatccactc ctgtcttttc ccgtcacgga cactggtgaa 120
274 atgtctcttc agcttccagt gcttgaggaa aatgctcttc gggctctgga ggagctggag 180
276 aggactgccc tcctgcagac gctgcgccag accgtgggca cagaagcaga gggaagcctt 240
278 ggccaggcag atcccagtg cagactccc actccaaggg gaagcttgag gaaggctctc 300
280 actgggcaag attctaacac tgtactgagc cgtcttttgg cgagaaccag gaaacaacgt 360
282 aagcaacacg ggactgcccc agaatgcttc tggaagtact gcatttgaag agagacgtct 420
284 cctcagaacc atcacttcag gaaactaaag agcagatgct tgaagaaaaa tcgtgccaac 480
286 aacgccccgt tctccactat gagaaataaa ccctctatgt ttctcaact 529
289 <210> SEQ ID NO: 19
290 <211> LENGTH: 312
291 <212> TYPE: DNA
292 <213> ORGANISM: Rattus sp.
294 <400> SEQUENCE: 19
295 tttcccgtca cggacactgg tgaaatgtct cttcagcttc cagtgcttga ggaaaatgct 60
297 cttcgggctc tggaggagct ggagaggact gccctcctgc agacgctgcg ccagaccgtg 120
299 ggcacagaag cagagggaag ccttggccag gcagatccca gtgccgagac tcccactcca 180
301 aggggaagct tgaggaaggc tctcactggg caagattcta acactgtact gagccgtctt 240
303 ttggcgagaa ccaggaaaca acgtaagcaa cacgggactg ccccgagaatg cttctggaag 300
305 tactgcattt ga 312
308 <210> SEQ ID NO: 20
309 <211> LENGTH: 42
310 <212> TYPE: DNA
311 <213> ORGANISM: Rattus sp.
313 <400> SEQUENCE: 20
314 caacacggga ctgccccaga atgcttctgg aagtactgca tt 42
317 <210> SEQ ID NO: 21
318 <211> LENGTH: 20
319 <212> TYPE: DNA
320 <213> ORGANISM: Mus sp.

```

RAW SEQUENCE LISTING

DATE: 11/14/2001

PATENT APPLICATION: US/09/831,907

TIME: 14:11:57

Input Set : A:\208888US0PCT.txt

Output Set: N:\CRF3\11142001\I831907.raw

```

322 <400> SEQUENCE: 21
323 agcttccagt gcttgaggaa                20
326 <210> SEQ ID NO: 22
327 <211> LENGTH: 20
328 <212> TYPE: DNA
329 <213> ORGANISM: Mus sp.
331 <400> SEQUENCE: 22
332 gttagaattt tgcccagcga                20
335 <210> SEQ ID NO: 23
336 <211> LENGTH: 20
337 <212> TYPE: DNA
338 <213> ORGANISM: Mus sp.
340 <400> SEQUENCE: 23
341 gcttccagtg cttgaggaag                20
344 <210> SEQ ID NO: 24
345 <211> LENGTH: 20
346 <212> TYPE: DNA
347 <213> ORGANISM: Mus sp.
349 <400> SEQUENCE: 24
350 tctgctgcct gctcttcata                20
353 <210> SEQ ID NO: 25
354 <211> LENGTH: 20
355 <212> TYPE: DNA
356 <213> ORGANISM: Mus sp.
358 <400> SEQUENCE: 25
359 acggacactg gtgagaggac                20
362 <210> SEQ ID NO: 26
363 <211> LENGTH: 20
364 <212> TYPE: DNA
365 <213> ORGANISM: Mus sp.
367 <400> SEQUENCE: 26
368 gagcgtcttc ctcaagcact                20
371 <210> SEQ ID NO: 27
372 <211> LENGTH: 539
373 <212> TYPE: DNA
374 <213> ORGANISM: Mus sp.
376 <400> SEQUENCE: 27
377 cgagagcaga cgcccagacg gacttctcgc cgcacatcag acagggtgcc cttctgctgc    60
379 ctgctcttca taggacttct gaatccactg ctgtcccttc ccgtcacgga cactggtgag    120
381 aggactcttc agcttccagt gcttgaggaa gacgctcttc gggctctgga ggagctggag    180
383 aggatggccc tcctgcagac cctgcgtcag accatgggca cggaagcagg ggagagccct    240
385 ggagaagcag gtcccagcac tgagactccc actccacggg gaagcatgag gaaggctttc    300
387 gctgggcaaa attctaacac tgtactgagt cgtctcttgg caagaaccag gaaacaacat    360
389 aagcaacacg gggctgcccc agagtgcttc tggaaatact gcatttgagg agacacaagc    420
391 gcccgttggt ctctcagaac cattacattc aggaaacggg cagagcagat gcttgaagca    480
393 aaatcacgct aacgacgcct tgttcttcat tatgagaaat aaatcctcta tgtttctca    539
396 <210> SEQ ID NO: 28
397 <211> LENGTH: 443
398 <212> TYPE: DNA

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/831,907

DATE: 11/14/2001

TIME: 14:11:58

Input Set : A:\208888US0PCT.txt

Output Set: N:\CRF3\11142001\I831907.raw

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date